



Policies and Procedures for Accommodating Utilities on Highway Rights of Way

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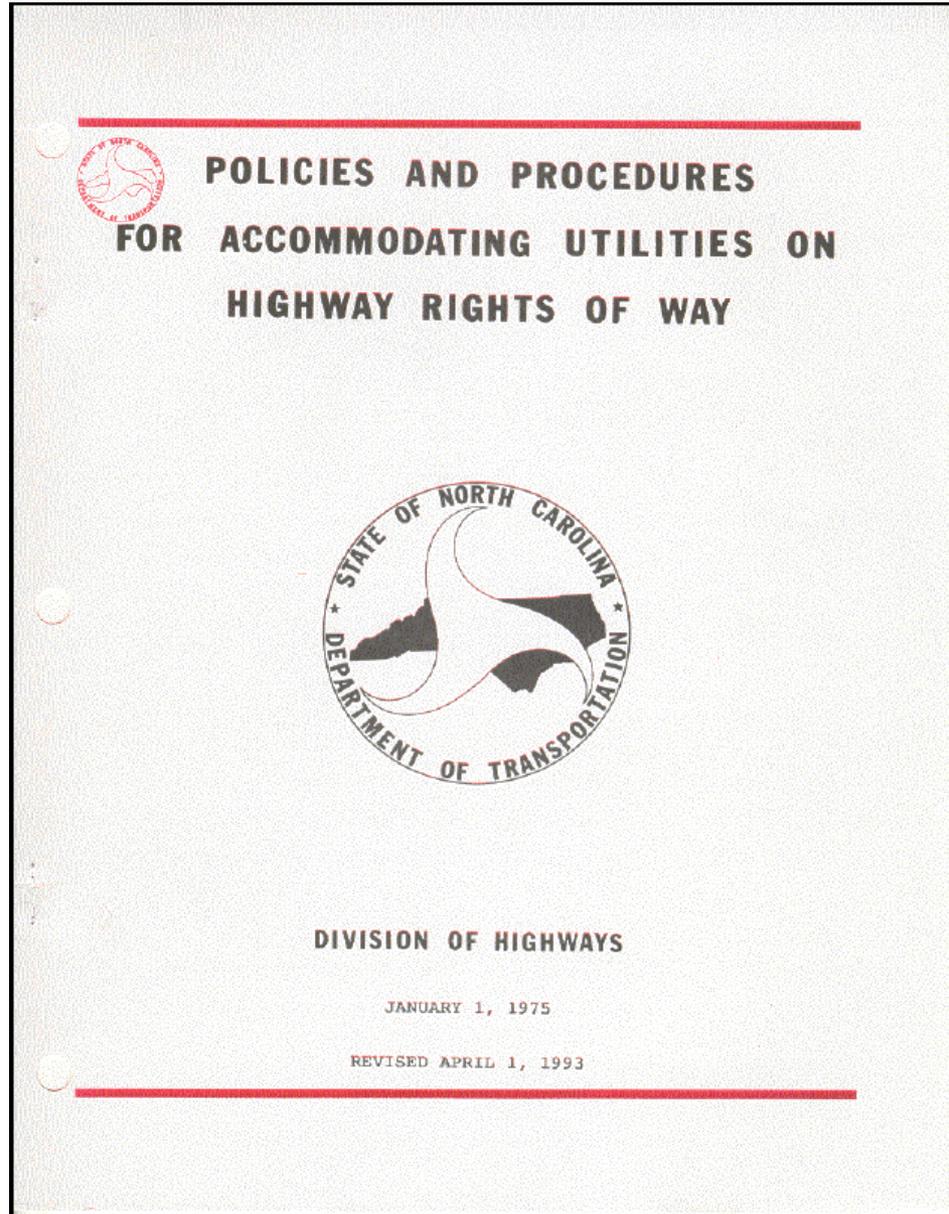


Update to NCDOT Utility Policy Manual

Presentation Purpose

- ✓ Background on Utility Accommodations Manual
- ✓ Discuss the update process
- ✓ Discuss the Utility Accommodations Manual general recommendations
- ✓ Discuss the specific changes
- ✓ Get your comments

Update of Utilities Accommodation Manual



Update of Utilities Accommodation Manual

- ✓ First written in January 1975
- ✓ Revised April 1993
- ✓ Outdated terms and construction methods
- ✓ Lacks flexibility and intelligence of today's technology

Update of Utilities Accommodation Manuals

- ✓ Doing the update in 6 phases
- ✓ Phase 1, manual format is complete
- ✓ Currently completing phase 2 – Policy
- ✓ Will follow shortly with phases 3, 4 and 5; engineering, coordination and encroachments
- ✓ Phase 6 will be education and training

Update of Utilities Accommodation Manuals



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Utilities Accommodation Manuals



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Update of Utilities Accommodation Manuals



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Utility Policy Manual



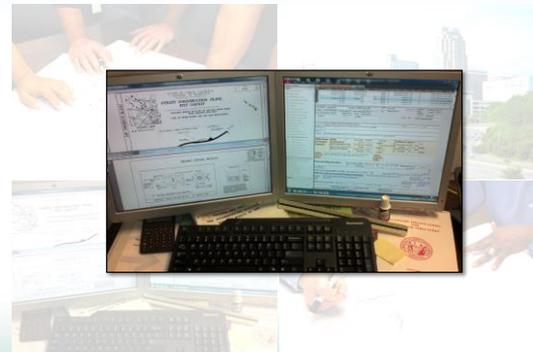
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Utility Engineering Manual



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Utility Coordination Manual



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Utility Encroachment Manual



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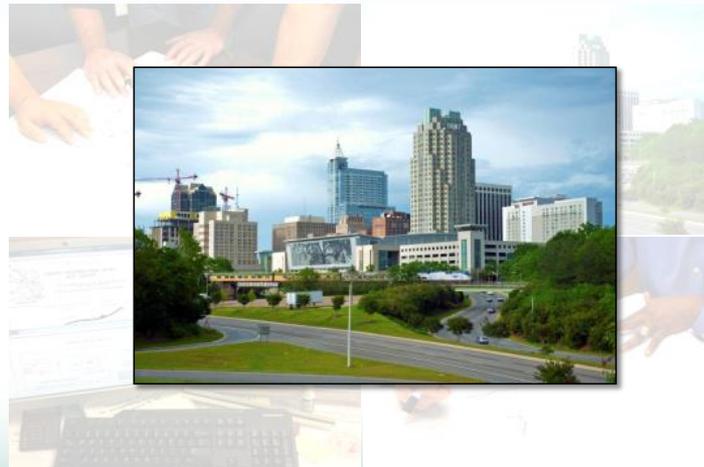


Update of Utilities Accommodation Manuals



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Utility Policy Manual



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Update of Utilities Accommodation Manuals

- ✓ Doing an individual contract with private firm for each phase
- ✓ Cardno was selected to do phase 1 and phase 2, Policy
- ✓ Conducted research of other state utility manuals, sent out surveys, interviewed federal, state & local governments, interviewed utility owners & operators and various other stakeholders and held workshops

Major Improvements and Changes

- ✓ Uses current technology, searchable with links
- ✓ Available via internet and smart device
- ✓ Can incorporate technologies as they become available

Major Improvements and Changes

- ✓ State Utilities Manager, under direction of the chief engineer will oversee the management, interpretation and administration of the UAP. (Section I. C. page 2 of 34.)
- ✓ Disputes, appeals and exceptions, utility may appeal up to a review panel chaired by the State Utilities Manager. (Section I. O. page 6 of 34)
- ✓ Vertical clearances over interstates and freeways raised to 24 feet (Section II. E. page 10 of 34)
- ✓ Out-of-service instead of abandoned to be used. (Section III. F. page 14 of 34)

Major Improvements and Changes

- ✓ Underground facility detection, plant shall be detectable using current technology. (Section III. G. page 14 of 34)
- ✓ NCDOT states in the manual that it will work with utilities. (Section IX. E. page 27 of 34)
- ✓ Non-responsive utility and failure to comply, SUM can issue an order to move, as delegated by BOT. (Section IX. G & H, page 28 of 34)
- ✓ Private utilities, approved on case by case where longitudinal. (Section I. B. 3. Page 2 of 34) **no change**
- ✓ Casings, generally not required. (Section III. D. page 13 of 34) **no change**

Summary

- ✓ Compilation of 4 separate manuals; Policy, Engineering, Coordination and Encroachment
- ✓ Manual itself will utilize current technologies; searchable available online
- ✓ SUM is responsible to administer and maintain
- ✓ There is a formal appeal process
- ✓ Higher vertical clearance over interstates
- ✓ Underground facilities must be detectable
- ✓ Non-responsive utility and failure to comply, SUM can issue an order to move, as delegated by BOT

Questions and Parting Thoughts

